

CENTRAL INTELLIGENCE AGENCY

REPORT

## INFORMATION REPORT

CD NO.

## SECURITY INFORMATION

CONFIDENTIAL

COUNTRY Yugoslavia

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SUBJECT Priority Requirements of the Yugoslav War Industry

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SUPPLEMENT TO REPORT NO.

50X1-HUM

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1. Jugosimport, the official purchasing agency for the Yugoslav war industry, is attempting to secure the following priority requirements:
  - a. Approximately 3,000 tons of electro-chemically twice pickled sheets suitable for enamelling and deep-drawing; thickness: 0.4 - 1 mm.
  - b. Approximately 2,000 tons of cold rolled strip iron for deep drawing and suitable for enamelling; various widths up to 600 mm.
  - c. Approximately 300 tons of stainless sheet iron with 18 percent chrome and 9 percent nickel content, suitable for deep drawing; easily welded, pickled.
  - d. Approximately 2,000 tons of seamless tubes of various sizes in accordance with the specifications on the attached pages.
  - e. Approximately 10,000 tons of machine casting scrap.
2. Jugosimport hopes to obtain these requirements

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## CLASSIFICATION

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Specifications for seamless tubes

Seamless steel tubes	Ø 54-60 mm.	250 m.
	54.5 x 63.5 mm.	2450 m.
	64-70	1800 m.
	70-76	2600 m.
Hot drawn	76.5-83	2400 m.
	82.5-89	1950 m.
	88.5-95	1400 m.
	94.5-102 mm.	1100 m.
	100.5-108 mm.	830 m.
	106.5-114 mm.	1450 m.
	119-127 mm.	500 m.
	125-133 mm.	230 m.
	131-140 mm.	730 m.
	137-146 mm.	200 m.
	156-165 mm.	150 m.
	162-171 mm.	215 m.
Total		18055 m.

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	<u>Unit of weight</u>	<u>Dimensions in mm.</u>	<u>Quantity</u>
1. Mannesmann seamless tubes for high pressures	tons	42 x 28	0.3
2. Mannesmann seamless tubes for high pressures	tons	55 x 45	0.2
3. Mannesmann seamless tubes for high pressures	tons	60 x 50	0.3
4. Seamless steel tubes of fire-resisting material	tons	Ø 50 x 42	0.4
a. Constant temperature 850°C			
b. Intermittent temperature 920°C			
c. Electric heating			
d. Corroding atmosphere (containing oxygen)			
5. Tubes for working pressure	tons	internal diameter 65-80 mm. wall approximately 8 mm. thick	1.25
6. Tubes for working pressure	tons	internal diameter 34-45 mm. wall approximately 6 mm. thick	1.25
7. Tubes for working pressure	tons	internal diameter approximately 25 mm. wall approximately 3.5 mm. thick	0.5
8. Tubes for working pressure	tons	internal diameter approximately 16 mm. wall approximately 1 mm. thick	0.1
9. Tubes for working pressure	tons	42.25 x 30.25	0.1
10. Tubes for working pressure	tons	38 x 27	0.1
11. Tubes for working pressure	tons	30.5 x 20.5	0.1
12. Tubes for working pressure	tons	26.75 x 16.75	0.1

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	<u>Unit of weight</u>	<u>Dimensions in mm.</u>	<u>Quantity</u>
13. Tubes for working pressure	tons	17 x 11	0.05
14. Tubes for working pressure	tons	10 x 7	0.05
		<b>Total</b>	<u>5.20</u>

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Steel tubes  $\phi$  23 x 26 200 m.  
(to DIN2393 standard in  
commercial lengths  
material St.35,20)

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	<u>Internal diameter</u>	<u>External diameter</u>	<u>Quantity t</u>
Rolled seamless steel tubes for hydraulic presses	4 mm.	10 mm.	0.05
Rolled seamless steel tubes for hydraulic presses	7 mm.	13 mm.	0.10
	10 mm.	21 mm.	0.10
	14 mm.	21 mm.	0.12
	15 mm.	27 mm.	0.25
	18 mm.	28 mm.	0.25
	25 mm.	34 mm.	0.30
	32 mm.	45 mm.	0.35

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	<u>Quantity</u>
Drawn tubes St 35.29 to $\phi / \phi$ 4 x 2	0.025
DIN 2325 standard, with $\phi / \phi$ 8 x 6	0.025
smooth ends $\phi / \phi$ 10 x 8.5	0.05
$\phi / \phi$ 14 x 12	0.05
$\phi / \phi$ 24 x 22	0.05
$\phi / \phi$ 45 x 43	0.1

St. 45.29 DIN 2051, with $\phi / \phi$ 8 x 3	0.05
smooth ends in commercial $\phi / \phi$ 10 x 12	0.05
lengths	

St. 55.29 with smooth $\phi / \phi$ 6 x 5	0.05
ends in commercial length $\phi / \phi$ 22 x 19	0.1

St. 65.29 DIN 2385 with $\phi / \phi$ 22 x 19	0.05
smooth ends, in commercial $\phi / \phi$ 110 x 98	0.01
lengths	

Hexagonal 9 x 12	0.05
10 x 13	0.05
11 x 14	0.05

Rolled tubes, Foldi L-WIS annealed $\phi / \phi$ 66 x 46	1
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Seamless drawn Barnesmann tubes, quality St.C 16-61 as per attached technical requirements $\phi / \phi$ 26 x 24	27.5
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		<u>Quantity</u>
Drawn Mannesmann tubes, seamless, quality St.C.45-61 ext. dia. 6.5 and 0.15 mm. thickness of wall 0.3 mm. O.d. length 1150 mm. - 20 mm.		0.5
Same quality, but in dimensions:	$\phi$ 55 x 38 $\phi$ 45 x 38 $\phi$ 38 x 24 $\phi$ 38 x 32 $\phi$ 20 x 15	0.1 0.1 0.1 0.1 0.1
The same, but in quality St. C.60-61	$\phi$ 36 x 28	0.1
The same, but quality St. C.45-61	$\phi$ 25 x 21	0.05
The same, but quality St.C.45-61	$\phi$ 20 x 10 $\phi$ 48 x 40 $\phi$ 40 x 32 $\phi$ 35 x 30	0.05 0.05 0.05 0.05
The same, but quality VCN 15w	$\phi$ 66 x 58	0.05
Mannesmann tubes	$\phi$ 8 x 6 10 x 8 12 x 10 18 x 16 20 x 18 33 x 31	0.1 0.1 0.2 0.4 0.2 0.5
Special high pressure tubes for Bosch pump	$\phi$ 7 x 2.6 $\phi$ 7 / / 01.8	0.1 0.1
Rolled seamless Mannesmann tubes, St.C.45-61 material, in divisible lengths of 1200 mm.	$\phi$ 40 x 35	0.350
The same, but in material FLW 1452.4/2/ in divisible lengths of 390 mm.	$\phi$ 40 x 35	0.300

Specification N-4146Seamless tubes as per  
attached technical re-  
quirements

52/44

11.000

Technical Specification

1. Mark: DIN 2391 VG 135 vzf
2. Material: VC 135, as per DIN 1665
3. To be delivered: tempered and electro-chemically pickled/free from scale.
4. Mechanical properties:
 

Yield point	50 kg per square mm.
Strength	75-85 kg per square mm.
Elongation	12 percent

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- 5. Length : divisible by 185 mm.
- 6. Dimensions : External diameter 52  $\pm$  0.24 mm.  
Internal diameter 44  $\pm$  0.25 mm..  
Wall thickness 4  $\pm$  .05 (sic)
- 7. Surface : as per DIN 2391 folio 2
- 8. Shape : as per DIN 2391 folio 2
- 9. Weldability: autogenous and electric
- 10. Test : as per DIN 2391 folio 2, page 3, items 15, 16 and 17.

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